

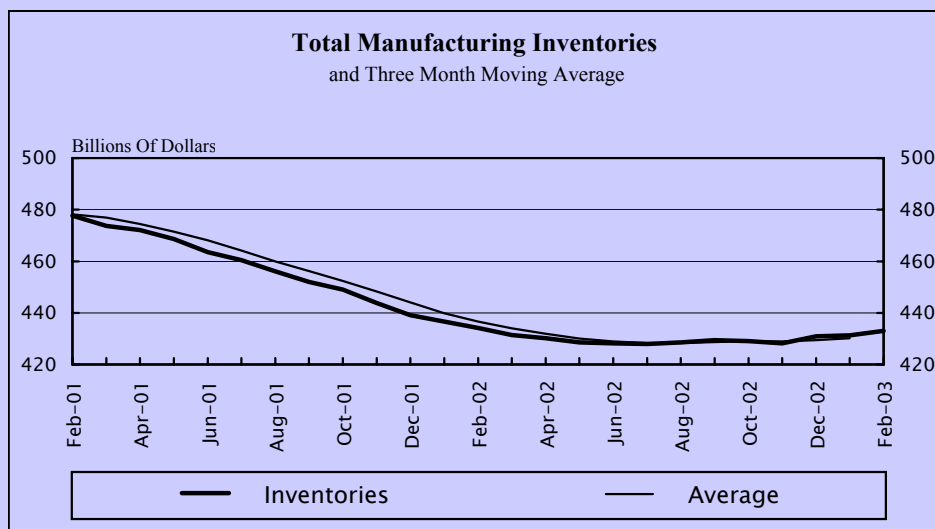
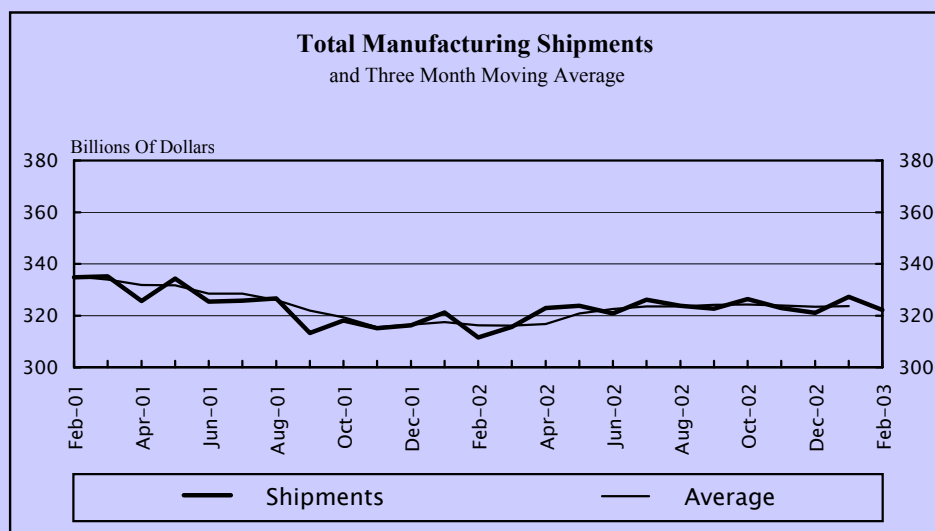
# Manufacturers' Shipments, Inventories, and Orders: February 2003

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## Current Industrial Reports



For data, call 301-763-4673. For inquiries, contact Dan Sansbury or Derrick Roy, Manufacturers' Shipments, Inventories and Orders Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900 or call 301-763-4832.

The advance report on durable goods for March is scheduled for April 24, 2003 at 8:30 a.m. and the full report on May 2, 2003 at 10:00 a.m.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington DC, 20402

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Figures in text, other than year to date, are in seasonally adjusted current dollars and **exclude data for semiconductor manufacturing.**

## Summary

New orders for manufactured goods in February decreased \$4.9 billion or 1.5 percent to \$321.2 billion, the Department of Commerce, Census Bureau reported today. This followed a 1.7 percent January increase. Year to date, new orders for 2003 were 3.5 percent above the same period a year ago.

Shipments decreased \$5.0 billion or 1.5 percent to \$322.2 billion. This was the largest percent decrease since February 2002. This followed a 1.9 percent January increase. Year to date, shipments for 2003 were 3.1 percent above the same period a year ago.

Unfilled orders, down six consecutive months, decreased \$1.1 billion or 0.2 percent to \$475.1 billion, following a 0.3 percent January decrease. This was the lowest level since August 1996. The unfilled orders-to-shipments ratio was 3.99, up from 3.94 in January.

Inventories increased \$1.7 billion or 0.4 percent to \$433.0 billion, following a 0.1 percent January increase. The inventories-to-shipments ratio was 1.34, up from 1.32 in January.

## New Orders

New orders for manufactured durable goods in February decreased \$2.8 billion or 1.6 percent to \$169.9 billion, revised from the previously published 1.2 percent decrease.

Computers and electronic products had the largest decrease, \$1.4 billion or 5.0 percent to \$25.9 billion, led by computers and related products, which decreased by \$0.8 billion. Machinery decreased \$0.6 billion or 2.5 percent to \$21.8 billion.

New orders for manufactured nondurable goods decreased \$2.1 billion or 1.4 percent to \$151.2 billion.

## Shipments

Shipments of manufactured durable goods in February decreased \$2.9 billion or 1.7 percent to \$171.0 billion, revised from the previously published 1.6 percent decrease.

Computers and electronic products had the largest decrease, \$1.1 billion or 4.2 percent to \$25.6 billion, led by computers and related products, which decreased by \$0.9 billion. This was the largest percent decrease in computers and electronic products since August 2001.

Shipments of manufactured nondurable goods decreased \$2.1 billion or 1.4 percent to \$151.2 billion. This was the largest percent decrease since February 2002. Food products had the largest decrease, \$0.7 billion or 1.8 percent to \$37.3 billion.

## Unfilled Orders

Unfilled orders for manufactured durable goods in February, down six consecutive months, decreased \$1.1 billion or 0.2 percent to \$475.1 billion, revised from the previously published 0.3 percent decrease. This was the lowest level since August 1996.

Transportation equipment had the largest decrease, \$1.1 billion or 0.4 percent to \$245.8 billion. This was the fifth decrease in the last 6 months and the lowest level since May 2000.

## Inventories

Inventories of manufactured durable goods in February decreased \$0.1 billion or 0.1 percent to \$264.7 billion, unrevised from the previously published 0.1 percent decrease. This was the twenty-fourth decrease over the past twenty-five months.

Computers and electronic products, had the largest decrease, \$0.4 billion or 0.9 percent to \$41.4 billion. This was the sixth decrease in the last seven months and the lowest level since May 1994. The decrease was led by communications equipment, which was down \$0.2 billion.

Inventories of manufactured nondurable goods increased \$1.8 billion or 1.1 percent to \$168.3 billion. This was the largest percent increase since January 1995. Basic chemicals had the largest increase, \$1.1 billion or 2.2 percent to \$50.3 billion, due to pharmaceuticals and medicines, which increased \$1.1 billion.

By stage of fabrication, February materials and supplies decreased 0.3 percent in durable goods and increased 0.9 percent in nondurable goods. Work in process increased 0.1 percent in durable goods and 1.3 percent in nondurable goods. Finished goods decreased 0.1 percent in durable goods and increased 1.1 percent in nondurable goods.

**SEE BACK PAGE FOR SURVEY DESCRIPTION**

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Table 1. Value of Manufacturers' Shipments for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly			Year to date		Percent Change 2003/2002	
	Feb 2003 <sup>p</sup>	Jan 2003 <sup>r</sup>	Dec 2002	Jan - Feb.	Dec - Jan.	Nov - Dec.	Feb 2003 <sup>p</sup>	Jan 2003 <sup>r</sup>	Dec 2002	Feb 2002	2003 <sup>p</sup>		2002
All manufacturing industries <sup>2</sup>	322,220	327,265	321,016	-1.5	1.9	-0.6	310,119	299,447	313,437	302,013	609,566	591,012	3.1
Excluding transportation <sup>2</sup>	270,166	275,685	272,712	-2.0	1.1	0.4	258,687	251,965	267,699	250,857	510,652	492,795	3.6
Excluding defense <sup>2</sup>	313,513	318,714	313,460	-1.6	1.7	-0.3	302,022	292,460	304,530	295,191	594,482	577,898	2.9
With unfilled orders <sup>2</sup>	119,173	120,784	117,822	-1.3	2.5	-2.9	114,484	107,235	119,290	116,001	221,719	222,442	-0.3
Durable goods industries <sup>2</sup>	170,987	173,926	169,712	-1.7	2.5	-2.1	164,193	155,655	167,055	164,691	319,848	317,664	0.7
Wood products.....	7,124	7,269	7,434	-2.0	-2.2	-1.0	6,511	6,297	6,619	6,833	12,808	13,177	-2.8
Nonmetallic mineral products.....	8,202	8,683	8,526	-5.5	1.8	1.5	7,418	7,768	7,159	6,790	15,186	13,492	12.6
Primary metals.....	10,971	11,351	11,181	-3.3	1.5	0.2	10,708	11,092	9,604	10,605	21,800	21,149	3.1
Iron and steel mills.....	5,107	5,254	5,340	-2.8	-1.6	0.6	4,942	5,154	4,597	4,719	10,096	9,474	6.6
Aluminum and nonferrous metals.....	4,564	4,793	4,601	-4.8	4.2	0.2	4,489	4,691	3,977	4,583	9,180	9,106	0.8
Ferrous metal foundries.....	1,300	1,304	1,240	-0.3	5.2	-1.6	1,277	1,247	1,030	1,303	2,524	2,569	-1.8
Fabricated metal products.....	20,628	20,870	20,968	-1.2	-0.5	-0.4	19,948	19,231	19,150	20,006	39,179	39,251	-0.2
Machinery.....	22,001	22,406	22,243	-1.8	0.7	-2.0	21,305	19,508	22,154	21,796	40,813	41,273	-1.1
Farm machinery.....	1,567	1,532	1,584	2.3	-3.3	-0.2	1,758	1,370	1,278	1,613	3,128	2,883	8.5
Construction machinery.....	1,570	1,657	1,775	-5.3	-6.6	2.8	1,571	1,421	1,654	1,636	2,992	2,987	0.2
Mining, oil field, and gas field machinery.....	752	751	764	0.1	-1.7	9.9	737	686	864	728	1,423	1,442	-1.3
Industrial machinery.....	3,297	3,207	2,960	2.8	8.3	-8.0	3,045	2,909	3,467	2,699	5,954	5,314	12.0
Photographic equipment.....	1,329	1,424	1,504	-6.7	-5.3	0.8	1,167	1,188	1,580	1,171	2,355	2,303	2.3
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,472	2,526	2,574	-2.1	-1.9	1.1	2,254	2,125	2,417	2,367	4,379	4,580	-4.4
Metalworking machinery.....	1,975	2,006	1,936	-1.5	3.6	-14.8	1,763	1,525	1,917	1,846	3,288	3,427	-4.1
Turbines, generators, and other power transmission equipment.....	2,480	2,600	2,149	-4.6	21.0	-8.1	2,500	2,188	2,264	3,170	4,688	5,669	-17.3
Material handling equipment.....	1,330	1,371	1,430	-3.0	-4.1	2.4	1,307	1,353	1,366	1,355	2,660	2,721	-2.2
Computers and electronic products <sup>2</sup>	25,629	26,759	25,692	-4.2	4.2	-1.5	23,357	21,899	31,193	24,048	45,256	45,886	-1.4
Computers.....	4,112	4,983	4,025	-17.5	23.8	2.4	3,369	4,217	4,930	3,249	7,586	6,560	15.6
Computer storage devices.....	1,050	1,082	1,155	-3.0	-6.3	-4.4	814	764	1,781	1,129	1,578	1,953	-19.2
Other peripheral equipment.....	1,585	1,622	1,243	-2.3	30.5	-19.1	1,387	1,208	1,810	1,268	2,595	2,361	9.9
Nondefense communications equipment.....	5,098	5,267	4,863	-3.2	8.3	-5.9	4,488	4,019	6,800	5,007	8,507	9,229	-7.8
Defense communications equipment.....	314	321	291	-2.2	10.3	-14.9	309	291	313	313	600	609	-1.5
Audio and video equipment.....	665	707	775	-5.9	-8.8	0.9	645	608	862	717	1,253	1,361	-7.9
Semiconductors <sup>3</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	3,841	3,833	4,130	0.2	-7.2	-0.6	3,600	3,277	4,173	4,063	6,877	7,792	-11.7
Nondefense search and navigation equipment.....	752	720	751	4.4	-4.1	5.2	735	617	811	725	1,352	1,398	-3.3
Defense search and navigation equipment.....	2,126	2,069	2,049	2.8	1.0	-0.2	2,111	1,757	2,458	1,852	3,868	3,434	12.6
Electromedical, measuring, and control instruments.....	5,596	5,688	5,826	-1.6	-2.4	4.1	5,408	4,709	6,690	5,130	10,117	9,914	2.0
Electrical equipment, appliances, and components.....	8,573	8,949	8,952	-4.2	0.0	-1.7	8,130	7,726	9,120	8,555	15,856	16,221	-2.3
Electric lighting equipment.....	1,072	1,151	1,096	-6.9	5.0	2.1	1,083	984	1,257	1,098	2,067	2,018	2.4
Household appliances.....	1,984	2,014	2,138	-1.5	-5.8	-1.0	1,885	1,678	2,207	1,951	3,563	3,658	-2.6
Electrical equipment.....	2,464	2,607	2,528	-5.5	3.1	-4.8	2,295	2,176	2,670	2,366	4,471	4,444	0.6
Batteries.....	466	482	467	-3.3	3.2	-5.5	397	386	483	455	783	891	-12.1
Transportation equipment.....	52,054	51,580	48,304	0.9	6.8	-5.8	51,432	47,482	45,738	51,156	98,914	98,217	0.7
Automobiles.....	7,847	8,198	7,601	-4.3	7.9	-1.0	7,922	7,991	6,356	7,970	15,913	15,967	-0.3
Light trucks and utility vehicles.....	10,336	10,619	9,833	-2.7	8.0	1.1	10,273	10,278	8,243	9,878	20,551	19,829	3.6
Heavy duty trucks.....	1,052	1,064	1,034	-1.1	2.9	8.5	991	959	899	929	1,950	1,797	8.5
Motor vehicle bodies, parts, and trailers.....	17,880	18,118	16,043	-1.3	12.9	-11.7	18,098	17,641	13,760	18,149	35,739	34,863	2.5
Nondefense aircraft and parts.....	6,044	4,744	5,924	27.4	-19.9	-2.7	5,952	3,591	7,547	7,186	9,543	12,377	-22.9
Defense aircraft and parts.....	3,222	3,237	2,553	-0.5	26.8	-20.4	2,804	2,580	3,235	2,434	5,384	4,518	19.2
Ships and boats.....	2,210	2,140	2,161	3.3	-1.0	-3.3	2,202	1,633	2,125	1,713	3,835	3,071	24.9
Furniture and related products.....	5,333	5,613	5,708	-5.0	-1.7	3.8	5,389	5,294	5,435	5,598	10,683	10,942	-2.4
Miscellaneous durable goods.....	10,472	10,446	10,704	0.2	-2.4	1.3	9,995	9,358	10,883	9,304	19,353	18,056	7.2
Nondurable goods industries.....	151,233	153,339	151,304	-1.4	1.3	1.2	145,926	143,792	146,382	137,322	289,718	273,348	6.0
Food products.....	37,348	38,024	38,126	-1.8	-0.3	1.0	36,312	36,096	38,449	36,899	72,408	73,044	-0.9
Grain and oilseed milling.....	4,004	4,066	4,092	-1.5	-0.6	0.8	4,107	4,017	4,003	4,237	8,124	8,273	-1.8
Dairy products.....	5,172	5,319	5,265	-2.8	1.0	4.4	4,924	5,103	5,243	4,955	10,027	10,213	-1.8
Meat, poultry, and seafood products.....	11,196	11,213	10,906	-0.2	2.8	0.7	10,950	10,571	10,769	11,045	21,521	21,786	-1.2
Beverage and tobacco products.....	8,457	8,683	8,594	-2.6	1.0	-1.5	7,898	7,812	8,212	8,394	15,710	17,066	-7.9
Beverages.....	5,817	5,909	5,944	-1.6	-0.6	3.3	5,258	5,038	5,562	5,103	10,296	9,847	4.6
Tobacco.....	2,640	2,774	2,650	-4.8	4.7	-10.9	2,640	2,774	2,650	3,291	5,414	7,219	-25.0
Textile mills.....	3,397	3,527	3,333	-3.7	5.8	-7.2	3,315	3,107	3,042	3,433	6,422	6,445	-0.4
Textile products.....	3,007	3,065	3,135	-1.9	-2.2	-1.5	2,926	2,567	2,768	2,972	5,493	5,422	1.3
Apparel.....	4,532	4,804	4,796	-5.7	0.2	-1.7	4,662	4,313	3,922	4,881	8,975	9,072	-1.1
Leather and allied products.....	720	719	632	0.1	13.8	-13.2	734	612	764	626	1,346	1,150	17.0
Paper products.....	12,774	13,080	13,069	-2.3	0.1	2.9	12,568	12,760	12,712	11,615	25,328	23,655	7.1
Pulp, paper, and paperboard mills.....	5,432	5,789	5,796	-6.2	-0.1	2.4	5,435	5,701	5,617	5,337	11,136	10,935	1.8
Paperboard containers.....	3,714	3,701	3,714	0.4	-0.4	1.1	3,570	3,641	3,469	3,407	7,211	6,932	4.0
Printing.....	7,887	7,973	8,079	-1.1	-1.3	0.5	7,477	7,388	8,268	7,384	14,865	14,788	0.5
Petroleum and coal products.....	21,782	21,369	20,273	1.9	5.4	7.9	19,880	19,755	19,249	14,322	39,635	29,228	35.6
Petroleum refineries.....	20,271	19,765	18,710	2.6	5.6	8.4	18,673	18,628	18,094	13,163	37,301	27,069	37.8
Basic chemicals.....	36,398	36,979	36,016	-1.6	2.7	0.0	35,592	35,106	35,438	32,521	70,698	65,425	8.1
Pesticides, fertilizers, and other agricultural chemicals.....	1,572	1,611	1,732	-2.4	-7.0	3.0	1,496	1,429	1,394	1,512	2,925	2,926	0.0
Pharmaceuticals and medicines.....	8,859	8,959	8,463	-1.1	5.9	-2.2	8,496	8,869	9,232	8,222	17,365	17,483	-0.7
Paints, coatings, and adhesives.....	2,309	2,377	2,429	-2.9	-2.1	1.3	2,198	2,162	2,117	2,272	4,360	4,427	-1.5
Plastics and rubber products.....	14,931	15,116	15,251	-1.2	-0.9	0.9	14,562	14,276	13,558	14,275	28,838	28,053	2.8

<sup>p</sup> Preliminary      <sup>r</sup> Revised      NA Not available.<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.<sup>2</sup> See footnote at end of Table 2.<sup>3</sup> See footnote at end of Table 2.

See note at end of Table 2 relating to survey error and revision.

Table 2. Value of Manufacturers' New Orders for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Year to date		Percent Change 2003/2002
	Feb 2003 <sup>p</sup>	Jan 2003 <sup>r</sup>	Dec 2002	Jan - Feb.	Dec - Jan.	Nov - Dec.	Feb 2003 <sup>p</sup>	Jan 2003 <sup>r</sup>	Dec 2002	Feb 2002	2003 <sup>p</sup>	2002	
All manufacturing industries <sup>2</sup> .....	321,159	326,043	320,465	-1.5	1.7	0.3	311,995	305,286	316,603	306,135	617,281	596,402	3.5
Excluding transportation <sup>2</sup> .....	270,209	275,612	271,725	-2.0	1.4	1.0	260,919	256,030	266,951	251,124	516,949	494,504	4.5
Excluding defense <sup>2</sup> .....	311,238	318,356	312,516	-2.2	1.9	0.1	302,120	297,308	302,964	296,425	599,428	580,163	3.3
With unfilled orders <sup>2</sup> .....	118,112	119,562	117,271	-1.2	2.0	-0.6	116,360	113,074	122,456	120,123	229,434	227,832	0.7
Durable goods industries <sup>2</sup> .....	169,926	172,704	169,161	-1.6	2.1	-0.4	166,069	161,494	170,221	168,813	327,563	323,054	1.4
Primary metals.....	10,904	11,183	10,885	-2.5	2.7	2.6	11,064	11,516	9,585	11,104	22,580	21,994	2.7
Iron and steel mills.....	5,117	4,976	5,034	2.8	-1.2	2.0	5,269	5,193	4,486	5,197	10,462	10,199	2.6
Aluminum and nonferrous metals.....	4,457	4,891	4,655	-8.9	5.1	5.3	4,465	4,978	4,079	4,637	9,443	9,156	3.1
Ferrous metal foundries.....	1,330	1,316	1,196	1.1	10.0	-4.8	1,330	1,345	1,020	1,270	2,675	2,639	1.4
Fabricated metal products.....	20,191	20,595	20,401	-2.0	1.0	-1.1	19,850	19,327	18,303	19,988	39,177	39,077	0.3
Machinery.....	21,840	22,401	21,705	-2.5	3.2	-1.1	21,600	20,603	21,071	21,140	42,203	40,891	3.2
Construction machinery.....	1,505	1,600	1,783	-5.9	-10.3	5.4	1,577	1,498	1,764	1,677	3,075	3,206	-4.1
Mining, oil field, and gas field machinery.....	680	744	642	-8.6	15.9	-6.4	665	679	742	799	1,344	1,557	-13.7
Industrial machinery.....	2,804	3,944	3,059	-28.9	28.9	2.1	2,602	4,094	3,167	2,790	6,696	5,631	18.9
Photographic equipment.....	1,485	1,393	1,552	6.6	-10.2	2.3	1,330	1,207	1,583	1,181	2,537	2,335	8.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,519	2,416	2,529	4.3	-4.5	1.2	2,348	2,215	2,310	2,384	4,563	4,894	-6.8
Metalworking machinery.....	1,991	1,935	1,949	2.9	-0.7	-14.9	1,863	1,532	1,806	1,860	3,395	3,485	-2.6
Turbines, generators, and other power transmission equipment.....	2,503	2,265	1,829	10.5	23.8	-2.6	2,526	1,898	1,915	2,164	4,424	4,158	6.4
Material handling equipment.....	1,389	1,167	1,354	19.0	-13.8	-1.7	1,421	1,128	1,422	1,322	2,549	2,587	-1.5
Computers and electronic products <sup>2</sup> .....	25,945	27,315	26,242	-5.0	4.1	3.8	24,433	24,134	32,857	24,236	48,567	46,846	3.7
Computers.....	3,943	4,721	4,964	-16.5	-4.9	25.8	3,390	3,946	5,582	3,567	7,336	6,823	7.5
Nondefense communications equipment.....	5,225	5,956	4,054	-12.3	46.9	-15.0	4,866	5,575	6,210	5,401	10,441	10,250	1.9
Defense communications equipment.....	414	363	329	14.0	10.3	26.1	409	333	351	318	742	603	23.1
Semiconductors <sup>3</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	3,722	3,538	4,168	5.2	-15.1	6.1	3,459	3,406	4,157	3,759	6,865	7,776	-11.7
Nondefense search and navigation equipment.....	565	818	765	-30.9	6.9	5.1	613	768	809	738	1,381	1,390	-0.6
Defense search and navigation equipment.....	2,302	2,272	2,367	1.3	-4.0	15.6	2,431	2,080	3,923	1,521	4,511	2,885	56.4
Electromedical, measuring, and control instruments.....	5,984	5,769	5,838	3.7	-1.2	6.7	5,928	5,014	6,807	5,223	10,942	10,169	7.6
Electrical equipment, appliances, and components.....	8,554	8,724	8,889	-1.9	-1.9	0.1	8,356	7,736	9,004	8,958	16,092	16,480	-2.4
Electric lighting equipment.....	1,067	1,200	1,047	-11.1	14.6	-0.4	1,078	1,066	1,216	1,091	2,144	2,011	6.6
Household appliances.....	2,018	1,963	2,128	2.8	-7.8	6.7	1,983	1,690	2,260	1,978	3,673	3,652	0.6
Electrical equipment.....	2,433	2,493	2,550	-2.4	-2.2	-0.9	2,399	2,138	2,576	2,626	4,537	4,580	-0.9
Transportation equipment.....	50,950	50,431	48,740	1.0	3.5	-3.5	51,076	49,256	49,652	55,011	100,332	101,898	-1.5
Motor vehicle bodies, parts, and trailers.....	18,082	18,089	16,074	0.0	12.5	-12.4	18,498	18,068	14,220	18,333	36,566	35,467	3.1
Nondefense aircraft and parts.....	3,769	5,166	6,839	-27.0	-24.5	21.3	3,807	4,745	8,319	6,357	8,552	10,291	-16.9
Defense aircraft and parts.....	2,534	2,368	2,682	7.0	-11.7	-8.2	2,845	2,916	4,691	4,076	5,761	7,548	-23.7
Ships and boats.....	2,066	1,977	1,787	4.5	10.6	2.9	1,737	1,732	2,340	3,384	3,469	4,520	-23.3
Furniture and related products.....	5,213	5,524	5,616	-5.6	-1.6	1.8	5,235	5,366	5,069	5,518	10,601	10,994	-3.6
Nondurable goods industries.....	151,233	153,339	151,304	-1.4	1.3	1.2	145,926	143,792	146,382	137,322	289,718	273,348	6.0

<sup>p</sup> Preliminary      <sup>r</sup> Revised      NA Not available.<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.<sup>2</sup> Aggregate estimates and percent changes exclude semiconductor industry data. Due to the number of large semiconductor manufacturers choosing not to participate in this voluntary monthly survey, the Census Bureau cannot currently produce monthly estimates of semiconductor shipments, orders, or inventories.<sup>3</sup> Due to the number of large semiconductor manufacturers choosing not to participate in this voluntary monthly survey, the Census Bureau cannot currently produce monthly estimates of semiconductor shipments, orders, or inventories.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(01), "Manufacturers' Shipments, Inventories, and Orders: 1992-2001."

**Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups****[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Feb. 03/02
	Feb. 2003 <sup>p</sup>	Jan. 2003 <sup>r</sup>	Dec. 2002	Jan. - Feb.	Dec. - Jan.	Nov. - Dec.	Feb. 2003 <sup>p</sup>	Jan. 2003 <sup>r</sup>	Dec. 2002	Feb. 2002	
All manufacturing industries <sup>1</sup> .....	475,135	476,196	477,418	-0.2	-0.3	-0.1	480,120	478,244	472,405	507,348	-5.4
Excluding transportation <sup>1</sup> .....	229,353	229,310	229,383	0.0	0.0	-0.4	232,238	230,006	225,941	250,036	-7.1
Excluding defense <sup>1</sup> .....	330,918	333,193	333,551	-0.7	-0.1	-0.3	333,570	333,472	328,624	363,525	-8.2
Durable goods industries <sup>1</sup> .....	475,135	476,196	477,418	-0.2	-0.3	-0.1	480,120	478,244	472,405	507,348	-5.4
Primary metals.....	14,696	14,763	14,931	-0.5	-1.1	-1.9	15,085	14,729	14,305	16,948	-11.0
Iron and steel mills.....	7,991	7,981	8,259	0.1	-3.4	-3.6	8,156	7,829	7,790	8,630	-5.5
Aluminum and nonferrous metals.....	4,472	4,579	4,481	-2.3	2.2	1.2	4,613	4,637	4,350	5,832	-20.9
Ferrous metal foundries.....	2,233	2,203	2,191	1.4	0.5	-2.0	2,316	2,263	2,165	2,486	-6.8
Fabricated metal products.....	37,088	37,525	37,800	-1.2	-0.7	-1.5	36,940	37,038	36,942	39,635	-6.8
Machinery.....	44,415	44,576	44,581	-0.4	0.0	-1.2	45,004	44,709	43,614	53,032	-15.1
Construction machinery.....	1,938	2,003	2,060	-3.2	-2.8	0.4	2,107	2,101	2,024	2,362	-10.8
Mining, oil field, and gas field machinery.....	940	1,012	1,019	-7.1	-0.7	-10.7	940	1,012	1,019	1,314	-28.5
Industrial machinery.....	9,225	9,718	8,981	-5.1	8.2	1.1	9,363	9,806	8,621	8,876	5.5
Photographic equipment.....	1,148	992	1,023	15.7	-3.0	4.9	1,159	996	977	848	36.7
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,267	4,220	4,330	1.1	-2.5	-1.0	4,268	4,174	4,084	4,671	-8.6
Metalworking machinery.....	3,777	3,761	3,832	0.4	-1.9	0.3	3,785	3,685	3,678	3,907	-3.1
Turbines, generators, and other power transmission equipment.....	9,140	9,117	9,452	0.3	-3.5	-3.3	9,243	9,217	9,507	16,714	-44.7
Material handling equipment.....	4,874	4,815	5,019	1.2	-4.1	-1.5	4,928	4,814	5,039	5,230	-5.8
Computers and electronic products <sup>1</sup> .....	108,812	108,496	107,940	0.3	0.5	0.5	110,708	109,632	107,397	114,911	-3.7
Computers.....	7,377	7,546	7,808	-2.2	-3.4	13.7	7,453	7,432	7,703	7,067	5.5
Nondefense communications equipment.....	36,344	36,217	35,528	0.4	1.9	-2.2	37,131	36,753	35,197	40,709	-8.8
Defense communications equipment.....	2,615	2,515	2,473	4.0	1.7	1.6	2,615	2,515	2,473	2,559	2.2
Semiconductors <sup>2</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	13,929	14,048	14,343	-0.8	-2.1	0.3	14,110	14,251	14,122	16,300	-13.4
Nondefense search and navigation equipment.....	4,056	4,243	4,145	-4.4	2.4	0.3	4,104	4,226	4,075	4,417	-7.1
Defense search and navigation equipment.....	30,794	30,618	30,415	0.6	0.7	1.1	31,300	30,980	30,657	31,131	0.5
Electromedical, measuring, and control instruments.....	13,697	13,309	13,228	2.9	0.6	0.1	13,995	13,475	13,170	12,728	10.0
Electrical equipment, appliances, and components.....	14,167	14,186	14,411	-0.1	-1.6	-0.4	14,435	14,209	14,199	15,135	-4.6
Electric lighting equipment.....	1,635	1,640	1,591	-0.3	3.1	-3.0	1,596	1,601	1,519	1,379	15.7
Household appliances.....	892	858	909	4.0	-5.6	-1.1	1,080	982	970	1,273	-15.2
Electrical equipment.....	8,162	8,193	8,307	-0.4	-1.4	0.3	8,257	8,153	8,191	9,073	-9.0
Transportation equipment.....	245,782	246,886	248,035	-0.4	-0.5	0.2	247,882	248,238	246,464	257,312	-3.7
Motor vehicle bodies, parts, and trailers.....	12,491	12,289	12,318	1.6	-0.2	0.3	13,070	12,670	12,243	12,797	2.1
Nondefense aircraft and parts.....	111,305	113,580	113,158	-2.0	0.4	0.8	110,999	113,144	111,990	121,257	-8.5
Defense aircraft and parts.....	55,727	56,415	57,284	-1.2	-1.5	0.2	56,676	56,635	56,299	54,313	4.4
Ships and boats.....	20,355	20,499	20,662	-0.7	-0.8	-1.8	20,631	21,096	20,997	22,021	-6.3
Furniture and related products.....	5,042	5,162	5,251	-2.3	-1.7	-1.7	4,933	5,087	5,015	6,060	-18.6

<sup>p</sup> Preliminary      <sup>r</sup> Revised      NA Not available.<sup>1</sup> Aggregate estimates and percent changes exclude semiconductor industry data. Due to the number of large semiconductor manufacturers choosing not to participate in this voluntary monthly survey, the Census Bureau cannot currently produce monthly estimates of semiconductor shipments, orders, or inventories.<sup>2</sup> Due to the number of large semiconductor manufacturers choosing not to participate in this voluntary monthly survey, the Census Bureau cannot currently produce monthly estimates of semiconductor shipments, orders, or inventories.

See note at end of Table 2 relating to survey error and revision.

**Table 4. Value of Manufacturers' Inventories for Industry Groups****[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Feb. 03/02
	Feb. 2003 <sup>p</sup>	Jan. 2003 <sup>r</sup>	Dec. 2002	Jan. - Feb.	Dec. - Jan.	Nov. - Dec.	Feb. 2003 <sup>p</sup>	Jan. 2003 <sup>r</sup>	Dec. 2002	Feb. 2002	
All manufacturing industries <sup>1</sup> .....	432,963	431,311	430,951	0.4	0.1	0.6	435,337	429,500	421,094	436,483	-0.3
Excluding transportation <sup>1</sup> .....	359,768	358,358	358,182	0.4	0.0	0.0	362,071	357,053	350,584	362,484	-0.1
Excluding defense <sup>1</sup> .....	410,082	408,967	408,284	0.3	0.2	0.5	412,281	407,328	399,043	413,887	-0.4
With unfilled orders <sup>1</sup> .....	214,911	215,316	216,005	-0.2	-0.3	1.2	216,154	214,219	210,494	224,053	-3.5
Durable goods industries <sup>1</sup> .....	264,677	264,821	265,242	-0.1	-0.2	1.0	266,533	263,555	258,103	273,538	-2.6
Wood products.....	9,341	9,232	9,195	1.2	0.4	-1.1	9,573	9,337	9,109	9,621	-0.5
Nonmetallic mineral products.....	9,116	9,013	8,988	1.1	0.3	0.6	9,305	9,085	8,853	9,073	2.6
Primary metals.....	19,091	18,933	18,742	0.8	1.0	0.6	19,097	19,096	19,000	18,643	2.4
Iron and steel mills.....	11,169	11,052	10,966	1.1	0.8	0.7	11,142	11,182	11,232	10,272	8.5
Aluminum and nonferrous metals.....	6,125	6,088	6,007	0.6	1.3	-0.1	6,135	6,120	6,023	6,592	-6.9
Ferrous metal foundries.....	1,797	1,793	1,769	0.2	1.4	2.2	1,820	1,794	1,745	1,779	2.3
Fabricated metal products.....	30,731	30,787	30,856	-0.2	-0.2	0.0	30,932	30,728	30,198	31,550	-2.0
Machinery.....	44,063	44,304	44,729	-0.5	-1.0	0.7	44,727	44,141	43,445	47,110	-5.1
Farm machinery.....	2,116	2,083	2,060	1.6	1.1	-1.2	2,256	2,185	2,121	2,093	7.8
Construction machinery.....	3,668	3,661	3,617	0.2	1.2	-5.2	3,784	3,715	3,606	4,203	-10.0
Mining, oil field, and gas field machinery.....	2,217	2,227	2,189	-0.4	1.7	-0.6	2,196	2,195	2,091	2,272	-3.3
Industrial machinery.....	7,313	7,431	7,646	-1.6	-2.8	0.3	7,423	7,381	7,461	7,961	-6.8
Photographic equipment.....	1,957	1,945	1,956	0.6	-0.6	1.2	1,964	1,893	1,826	1,949	0.8
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,249	4,217	4,241	0.8	-0.6	0.1	4,321	4,128	3,979	4,188	3.2
Metalworking machinery.....	5,295	5,271	5,275	0.5	-0.1	0.4	5,276	5,149	4,990	5,511	-4.3
Turbines, generators, and other power transmission equipment.....	4,611	4,793	4,894	-3.8	-2.1	7.3	4,606	4,647	4,631	5,416	-15.0
Material handling equipment.....	2,451	2,444	2,463	0.3	-0.8	-2.6	2,501	2,444	2,443	2,678	-6.6
Computers and electronic products <sup>1</sup> .....	41,403	41,759	42,272	-0.9	-1.2	-0.7	41,612	41,157	40,475	45,386	-8.3
Computers.....	3,109	3,139	3,227	-1.0	-2.7	-0.6	3,204	2,995	3,063	3,065	4.5
Computer storage devices.....	1,126	1,127	1,131	-0.1	-0.4	-5.4	1,208	1,094	991	1,428	-15.4
Other peripheral equipment.....	2,558	2,616	2,709	-2.2	-3.4	2.0	2,556	2,587	2,456	2,785	-8.2
Nondefense communications equipment.....	7,587	7,775	7,947	-2.4	-2.2	-6.0	7,635	7,692	7,558	10,366	-26.3
Defense communications equipment.....	825	825	846	0.0	-2.5	4.4	825	825	846	731	12.9
Audio and video equipment.....	1,139	1,168	1,153	-2.5	1.3	-2.7	1,093	1,151	1,042	1,027	6.4
Semiconductors <sup>2</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	8,911	8,918	8,927	-0.1	-0.1	-1.8	8,924	8,822	8,644	9,306	-4.1
Nondefense search and navigation equipment.....	2,991	2,994	3,095	-0.1	-3.3	0.3	2,992	2,985	3,001	3,046	-1.8
Defense search and navigation equipment.....	3,318	3,362	3,287	-1.3	2.3	3.5	3,280	3,264	3,153	3,342	-1.9
Electromedical, measuring and control instruments.....	9,440	9,423	9,541	0.2	-1.2	3.0	9,499	9,332	9,325	9,811	-3.2
Electrical equipment, appliances, and components.....	12,368	12,438	12,397	-0.6	0.3	-0.8	12,669	12,381	11,916	13,664	-7.3
Electric lighting equipment.....	1,479	1,484	1,483	-0.3	0.1	0.7	1,492	1,469	1,407	1,511	-1.3
Household appliances.....	2,077	2,089	2,085	-0.6	0.2	-0.7	2,153	2,066	1,911	2,223	-3.1
Electrical equipment.....	4,243	4,243	4,153	0.0	2.2	-0.6	4,375	4,314	4,089	4,669	-6.3
Batteries.....	616	623	628	-1.1	-0.8	-4.0	600	573	567	723	-17.0
Transportation equipment.....	73,195	72,953	72,769	0.3	0.3	3.8	73,266	72,447	70,510	73,999	-1.0
Automobiles.....	1,853	1,834	1,715	1.0	6.9	-3.2	1,844	1,772	1,546	1,657	11.3
Light trucks and utility vehicles.....	2,184	2,147	2,077	1.7	3.4	4.7	2,062	2,011	1,835	1,679	22.8
Heavy duty trucks.....	846	824	898	2.7	-8.2	0.0	853	818	848	874	-2.4
Motor vehicle bodies, parts, and trailers.....	16,275	16,220	16,051	0.3	1.1	0.9	16,298	16,266	16,073	15,322	6.4
Nondefense aircraft and parts.....	29,653	30,104	29,936	-1.5	0.6	6.3	29,555	29,851	28,787	32,131	-8.0
Defense aircraft and parts.....	11,141	10,898	11,151	2.2	-2.3	3.9	11,392	10,817	10,782	10,935	4.2
Ships and boats.....	2,930	2,845	2,934	3.0	-3.0	10.0	2,914	2,820	2,864	2,601	12.0
Furniture and related products.....	7,000	7,058	7,019	-0.8	0.6	-0.4	6,945	7,029	6,892	6,964	-0.3
Miscellaneous durable goods.....	18,369	18,344	18,275	0.1	0.4	1.1	18,407	18,154	17,705	17,528	5.0
Nondurable goods industries.....	168,286	166,490	165,709	1.1	0.5	0.0	168,804	165,945	162,991	162,945	3.6
Food products.....	32,406	32,156	32,022	0.8	0.4	-0.6	32,551	32,324	32,066	31,489	3.4
Grain and oilseed milling.....	3,522	3,519	3,503	0.1	0.5	0.1	3,656	3,761	3,707	3,308	10.5
Dairy products.....	3,490	3,474	3,506	0.5	-0.9	2.2	3,493	3,386	3,245	3,476	0.5
Meat, poultry, and seafood products.....	6,211	6,212	6,234	0.0	-0.4	-0.4	6,274	6,117	6,069	6,011	4.4
Beverage and tobacco products.....	14,151	14,148	14,185	0.0	-0.3	0.3	14,403	14,469	14,429	14,553	-1.0
Beverages.....	9,260	9,252	9,293	0.1	-0.4	2.1	9,231	9,282	9,295	9,016	2.4
Tobacco.....	4,891	4,896	4,892	-0.1	0.1	-2.9	5,172	5,187	5,134	5,537	-6.6
Textile mills.....	4,954	4,937	4,909	0.3	0.6	1.0	5,021	4,932	4,749	5,391	-6.9
Textile products.....	4,602	4,586	4,528	0.3	1.3	0.8	4,608	4,562	4,315	4,374	5.3
Apparel.....	7,645	7,592	7,489	0.7	1.4	0.7	7,556	7,553	7,246	7,686	-1.7
Leather and allied products.....	1,619	1,612	1,593	0.4	1.2	1.0	1,590	1,592	1,526	1,432	11.0
Paper products.....	14,441	14,547	14,544	-0.7	0.0	0.1	14,622	14,696	14,459	14,847	-1.5
Pulp, paper, and paperboard mills.....	6,102	6,220	6,195	-1.9	0.4	-0.2	6,224	6,320	6,170	6,716	-7.3
Paperboard containers.....	4,179	4,221	4,230	-1.0	-0.2	1.8	4,218	4,270	4,234	4,050	4.1
Printing.....	5,960	5,945	5,972	0.3	-0.5	0.0	5,763	5,679	5,574	5,681	1.4
Petroleum and coal products.....	14,237	14,008	13,598	1.6	3.0	4.4	13,758	13,352	12,613	11,447	20.2
Petroleum refineries.....	12,748	12,560	12,160	1.5	3.3	4.9	12,296	11,957	11,306	10,038	22.5
Basic chemicals.....	50,337	49,248	49,367	2.2	-0.2	-1.2	50,659	48,996	48,739	49,197	3.0
Pesticides, fertilizers, and other agricultural chemicals.....	2,251	2,297	2,397	-2.0	-4.2	-1.8	2,645	2,563	2,487	2,952	-10.4
Pharmaceuticals and medicines.....	18,623	17,517	17,573	6.3	-0.3	-3.7	18,397	17,012	17,274	17,064	7.8
Paints, coatings, and adhesives.....	2,982	2,969	2,942	0.4	0.9	-0.2	3,007	2,954	2,820	2,911	3.3
Plastics and rubber products.....	17,934	17,711	17,502	1.3	1.2	-0.2	18,273	17,790	17,275	16,848	8.5

<sup>p</sup> Preliminary<sup>r</sup> Revised

NA Not available.

<sup>1</sup> See footnote at end of Table 3.<sup>2</sup> See footnote at end of Table 3.

See note at end of Table 2 relating to survey error and revision.

**Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series <sup>1</sup>**

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted <sup>2</sup>						
	Monthly			Percent Change			Monthly			Year to date		Percent Change <sup>6</sup> 2003/ 2002	
	Feb 2003 <sup>p</sup>	Jan 2003 <sup>r</sup>	Dec 2002	Jan - Feb.	Dec - Jan.	Nov - Dec.	Feb 2003 <sup>p</sup>	Jan 2003 <sup>r</sup>	Dec 2002	Feb 2002	2003 <sup>p</sup>		2002
<b>SHIPMENTS</b>													
All manufacturing industries <sup>5</sup> .....	322,220	327,265	321,016	-1.5	1.9	-0.6	310,119	299,447	313,437	302,013	609,566	591,012	3.1
Construction materials and supplies.....	35,294	36,194	36,322	-2.5	-0.4	0.6	32,810	32,155	32,281	32,166	64,965	62,898	3.3
Information technology.....	25,704	27,045	25,789	-5.0	4.9	-1.4	23,394	22,312	31,103	23,841	45,706	45,607	0.2
Computers and related products .....	6,747	7,687	6,423	-12.2	19.7	-3.8	5,570	6,189	8,521	5,646	11,759	10,874	8.1
Motor vehicle and parts.....	37,115	37,999	34,511	-2.3	10.1	-5.6	37,284	36,869	29,258	36,926	74,153	72,456	2.3
Capital goods.....	62,578	63,084	61,507	-0.8	2.6	-2.5	58,838	53,449	68,682	58,854	112,287	111,891	0.4
Nondefense capital goods <sup>3</sup> .....	55,272	55,825	55,229	-1.0	1.1	-1.4	51,958	47,412	61,397	53,112	99,370	100,690	-1.3
Excluding aircraft.....	52,416	54,100	52,468	-3.1	3.1	-1.3	49,260	46,186	57,641	49,597	95,446	94,583	0.9
Defense capital goods <sup>4</sup> .....	7,306	7,259	6,278	0.6	15.6	-10.9	6,880	6,037	7,285	5,742	12,917	11,201	15.3
Consumer goods.....	125,802	128,070	125,482	-1.8	2.1	1.4	121,951	120,174	121,147	116,497	242,125	231,764	4.5
Consumer durable goods.....	33,064	34,154	33,177	-3.2	2.9	0.4	32,793	31,673	29,997	32,790	64,466	64,006	0.7
Consumer nondurable goods.....	92,738	93,916	92,305	-1.3	1.7	1.8	89,158	88,501	91,150	83,707	177,659	167,758	5.9
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	321,159	326,043	320,465	-1.5	1.7	0.3	311,995	305,286	316,603	306,135	617,281	596,402	3.5
Construction materials and supplies.....	35,037	35,810	35,977	-2.2	-0.5	0.1	32,803	32,208	31,631	32,539	65,011	63,706	2.0
Information technology.....	26,278	27,756	26,323	-5.3	5.4	2.7	24,803	24,391	32,752	24,466	49,194	46,751	5.2
Computers and related products .....	6,578	7,425	7,362	-11.4	0.9	10.0	5,591	5,918	9,173	5,964	11,509	11,137	3.3
Motor vehicle and parts.....	37,317	37,970	34,542	-1.7	9.9	-5.9	37,684	37,296	29,718	37,110	74,980	73,060	2.6
Capital goods.....	62,023	63,674	62,808	-2.6	1.4	3.8	59,868	57,462	73,233	60,466	117,330	111,730	5.0
Nondefense capital goods <sup>3</sup> .....	53,393	56,883	55,842	-6.1	1.9	2.4	51,369	50,653	61,332	52,624	102,022	99,313	2.7
Excluding aircraft.....	52,287	54,312	51,623	-3.7	5.2	-0.6	50,421	48,581	56,118	50,697	99,002	96,272	2.8
Defense capital goods <sup>4</sup> .....	8,630	6,791	6,966	27.1	-2.5	17.6	8,499	6,809	11,901	7,842	15,308	12,417	23.3
Consumer goods.....	126,170	128,065	125,359	-1.5	2.2	1.5	122,347	120,400	120,915	116,255	242,747	231,824	4.7
Consumer durable goods.....	33,432	34,149	33,054	-2.1	3.3	0.8	33,189	31,899	29,765	32,548	65,088	64,066	1.6
Consumer nondurable goods.....	92,738	93,916	92,305	-1.3	1.7	1.8	89,158	88,501	91,150	83,707	177,659	167,758	5.9
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	475,135	476,196	477,418	-0.2	-0.3	-0.1	480,120	478,244	472,405	507,348	(X)	(X)	-5.4
Construction materials and supplies.....	31,394	31,651	32,035	-0.8	-1.2	-1.1	31,070	31,077	31,024	32,551	(X)	(X)	-4.5
Information technology.....	99,509	98,935	98,224	0.6	0.7	0.5	101,259	99,850	97,771	102,869	(X)	(X)	-1.6
Computers and related products .....	7,377	7,546	7,808	-2.2	-3.4	13.7	7,453	7,432	7,703	7,067	(X)	(X)	5.5
Motor vehicle and parts.....	12,491	12,289	12,318	1.6	-0.2	0.3	13,070	12,670	12,243	12,797	(X)	(X)	2.1
Capital goods.....	332,596	333,151	332,561	-0.2	0.2	0.4	336,700	335,670	331,657	355,277	(X)	(X)	-5.2
Nondefense capital goods <sup>3</sup> .....	208,279	210,158	209,100	-0.9	0.5	0.3	210,064	210,653	207,412	229,411	(X)	(X)	-8.4
Excluding aircraft.....	123,968	124,097	123,885	-0.1	0.2	-0.7	125,753	124,592	122,197	138,596	(X)	(X)	-9.3
Defense capital goods <sup>4</sup> .....	124,317	122,993	123,461	1.1	-0.4	0.6	126,636	125,017	124,245	125,866	(X)	(X)	0.6
Consumer goods.....	12,190	11,822	11,827	3.1	0.0	-1.0	12,374	11,978	11,752	13,217	(X)	(X)	-6.4
Consumer durable goods.....	12,190	11,822	11,827	3.1	0.0	-1.0	12,374	11,978	11,752	13,217	(X)	(X)	-6.4
<b>TOTAL INVENTORIES</b>													
All manufacturing industries <sup>5</sup> .....	432,963	431,311	430,951	0.4	0.1	0.6	435,337	429,500	421,094	436,483	(X)	(X)	-0.3
Construction materials and supplies.....	46,055	45,852	45,764	0.4	0.2	0.1	46,706	45,924	44,712	46,193	(X)	(X)	1.1
Information technology.....	38,402	38,785	39,349	-1.0	-1.4	-0.4	38,701	38,187	37,599	42,567	(X)	(X)	-9.1
Computers and related products .....	6,793	6,882	7,067	-1.3	-2.6	-0.4	6,968	6,676	6,510	7,278	(X)	(X)	-4.3
Motor vehicle and parts.....	21,158	21,025	20,741	0.6	1.4	0.9	21,057	20,867	20,302	19,532	(X)	(X)	7.8
Capital goods.....	130,010	130,824	131,846	-0.6	-0.8	1.4	130,884	129,805	127,433	140,730	(X)	(X)	-7.0
Nondefense capital goods <sup>3</sup> .....	111,064	112,136	112,810	-1.0	-0.6	1.0	111,948	111,217	108,811	121,749	(X)	(X)	-8.1
Excluding aircraft.....	88,511	89,107	90,016	-0.7	-1.0	0.1	89,453	88,362	86,960	95,996	(X)	(X)	-6.8
Defense capital goods <sup>4</sup> .....	18,946	18,688	19,036	1.4	-1.8	3.4	18,936	18,588	18,622	18,981	(X)	(X)	-0.2
Consumer goods.....	129,745	128,176	127,268	1.2	0.7	-0.1	129,553	127,308	124,526	123,970	(X)	(X)	4.5
Consumer durable goods.....	26,947	26,949	26,715	0.0	0.9	0.1	27,029	26,696	25,474	25,871	(X)	(X)	4.5
Consumer nondurable goods.....	102,798	101,227	100,553	1.6	0.7	-0.2	102,524	100,612	99,052	98,099	(X)	(X)	4.5

<sup>p</sup> Preliminary      <sup>r</sup> Revised      X Not Applicable.

<sup>1</sup> Topical series are regroupings of the separate industry categories.

<sup>2</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

<sup>3</sup> Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment; appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

<sup>4</sup> Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.

<sup>5</sup> Aggregate estimates and percent changes exclude semiconductor industry data. Due to the number of large semiconductor manufacturers choosing not to participate in this voluntary monthly survey, the Census Bureau cannot currently produce monthly estimates of semiconductor shipments, orders, or inventories.

See note at end of Table 2 relating to survey error and revision.

<sup>6</sup> Based on year-to-date for shipments and new orders, but on same month prior year for unfilled orders and inventories.

Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Feb. 03/02
	Feb. 2003 <sup>p</sup>	Jan. 2003 <sup>r</sup>	Dec. 2002	Jan. - Feb.	Dec. - Jan.	Nov. - Dec.	Feb. 2003 <sup>p</sup>	Jan. 2003 <sup>r</sup>	Dec. 2002	Feb. 2002	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries <sup>1</sup> .....	139,375	139,085	138,406	0.2	0.5	-0.7	139,573	139,635	138,101	143,672	-2.9
Durable goods industries <sup>1</sup> .....	82,641	82,866	83,293	-0.3	-0.5	-0.2	82,911	83,277	83,083	87,879	-5.7
Wood products.....	3,453	3,436	3,395	0.5	1.2	-1.0	3,545	3,650	3,608	3,774	-6.1
Nonmetallic mineral products.....	3,229	3,222	3,234	0.2	-0.4	0.4	3,211	3,240	3,234	3,292	-2.5
Primary metals.....	6,381	6,251	6,210	2.1	0.7	0.8	6,264	6,341	6,477	5,931	5.6
Fabricated metal products.....	10,644	10,670	10,706	-0.2	-0.3	-0.5	10,626	10,692	10,717	10,752	-1.2
Machinery.....	14,174	14,386	14,626	-1.5	-1.6	0.0	14,253	14,473	14,365	16,199	-12.0
Computers and electronic products <sup>1</sup> .....	14,825	14,909	15,085	-0.6	-1.2	-2.0	14,868	14,755	14,803	17,102	-13.1
Electrical equipment, appliances, and components.....	4,415	4,460	4,402	-1.0	1.3	-0.9	4,486	4,462	4,351	4,890	-8.3
Transportation equipment.....	16,437	16,348	16,404	0.5	-0.3	0.5	16,623	16,518	16,434	16,925	-1.8
Furniture and related products.....	2,910	2,972	2,989	-2.1	-0.6	1.4	2,911	2,971	2,982	3,044	-4.4
Miscellaneous products.....	6,173	6,212	6,242	-0.6	-0.5	1.1	6,124	6,175	6,112	5,970	2.6
Nondurable goods industries.....	56,734	56,219	55,113	0.9	2.0	-1.4	56,662	56,358	55,018	55,793	1.6
Food products.....	10,068	10,009	9,995	0.6	0.1	0.3	10,091	10,169	10,018	10,151	-0.6
Beverage and tobacco products.....	5,680	5,727	5,876	-0.8	-2.5	-2.9	5,804	5,990	6,116	6,019	-3.6
Textiles.....	1,371	1,383	1,402	-0.9	-1.4	-2.0	1,375	1,383	1,398	1,487	-7.5
Textile products.....	1,535	1,537	1,504	-0.1	2.2	0.2	1,523	1,515	1,451	1,474	3.3
Apparel.....	1,696	1,701	1,681	-0.3	1.2	-1.9	1,677	1,679	1,680	1,765	-5.0
Leather and allied products.....	346	345	356	0.3	-3.1	-2.5	336	337	348	335	0.3
Paper products.....	7,110	7,102	7,113	0.1	-0.2	1.0	7,177	7,177	7,155	7,200	-0.3
Printing.....	2,399	2,405	2,388	-0.2	0.7	-4.3	2,345	2,378	2,315	2,408	-2.6
Petroleum and coal products.....	3,717	3,674	3,014	1.2	21.9	-4.4	3,577	3,456	2,819	2,984	19.9
Basic chemicals.....	15,801	15,435	14,983	2.4	3.0	-2.5	15,741	15,417	14,938	15,325	2.7
Plastics and rubber products.....	7,011	6,901	6,801	1.6	1.5	-0.5	7,016	6,857	6,780	6,645	5.6
<b>WORK IN PROCESS</b>											
All manufacturing industries <sup>1</sup> .....	129,721	129,210	128,866	0.4	0.3	1.9	129,975	127,964	124,461	131,795	-1.4
Durable goods industries <sup>1</sup> .....	100,312	100,171	100,037	0.1	0.1	2.9	100,597	99,067	96,420	104,206	-3.5
Wood products.....	2,008	2,025	2,077	-0.8	-2.5	0.0	2,026	2,006	2,028	2,002	1.2
Nonmetallic mineral products.....	1,167	1,153	1,161	1.2	-0.7	1.0	1,205	1,147	1,110	1,158	4.1
Primary metals.....	6,453	6,418	6,244	0.5	2.8	-0.7	6,433	6,411	6,253	6,386	0.7
Fabricated metal products.....	9,738	9,745	9,848	-0.1	-1.0	0.4	9,707	9,600	9,554	9,999	-2.9
Machinery.....	13,824	13,928	14,104	-0.7	-1.2	1.1	13,764	13,451	13,407	14,645	-6.0
Computers and electronic products <sup>1</sup> .....	17,218	17,499	17,656	-1.6	-0.9	0.6	17,280	17,176	16,670	18,096	-4.5
Electrical equipment, appliances, and components.....	2,807	2,828	2,821	-0.7	0.2	2.3	2,832	2,798	2,676	3,036	-6.7
Transportation equipment.....	42,337	41,926	41,684	1.0	0.6	6.3	42,616	41,918	40,457	44,351	-3.9
Furniture and related products.....	1,394	1,404	1,356	-0.7	3.5	-5.5	1,395	1,403	1,353	1,481	-5.8
Miscellaneous products.....	3,366	3,245	3,086	3.7	5.2	2.9	3,339	3,157	2,912	3,052	9.4
Nondurable goods industries.....	29,409	29,039	28,829	1.3	0.7	-1.2	29,378	28,897	28,041	27,589	6.5
Food products.....	2,864	2,835	2,800	1.0	1.3	0.6	2,955	2,968	3,007	2,662	11.0
Beverage and tobacco products.....	3,942	3,957	3,979	-0.4	-0.6	1.5	4,054	4,130	4,151	4,000	1.4
Textiles.....	1,153	1,161	1,149	-0.7	1.0	2.8	1,180	1,178	1,115	1,315	-10.3
Textile products.....	765	768	752	-0.4	2.1	-2.8	763	759	706	818	-6.7
Apparel.....	1,320	1,346	1,373	-1.9	-2.0	1.6	1,305	1,353	1,269	1,426	-8.5
Leather and allied products.....	131	127	138	3.1	-8.0	-2.1	127	125	133	163	-22.1
Paper products.....	1,122	1,138	1,161	-1.4	-2.0	-2.3	1,143	1,166	1,176	1,253	-8.8
Printing.....	1,812	1,756	1,758	3.2	-0.1	-7.1	1,712	1,645	1,468	1,674	2.3
Petroleum and coal products.....	4,191	4,140	4,102	1.2	0.9	8.4	4,072	3,962	3,742	3,017	35.0
Basic chemicals.....	9,748	9,489	9,313	2.7	1.9	-6.1	9,652	9,258	9,032	8,975	7.5
Plastics and rubber products.....	2,361	2,322	2,304	1.7	0.8	-0.7	2,415	2,353	2,242	2,286	5.6
<b>FINISHED GOODS</b>											
All manufacturing industries <sup>1</sup> .....	163,867	163,016	163,679	0.5	-0.4	0.8	165,789	161,901	158,532	161,016	3.0
Durable goods industries <sup>1</sup> .....	81,724	81,784	81,912	-0.1	-0.2	0.2	83,025	81,211	78,600	81,453	1.9
Wood products.....	3,880	3,771	3,723	2.9	1.3	-1.7	4,002	3,681	3,473	3,845	4.1
Nonmetallic mineral products.....	4,720	4,638	4,593	1.8	1.0	0.6	4,889	4,698	4,509	4,623	5.8
Primary metals.....	6,257	6,264	6,288	-0.1	-0.4	1.6	6,400	6,344	6,270	6,326	1.2
Fabricated metal products.....	10,349	10,372	10,302	-0.2	0.7	0.1	10,599	10,436	9,927	10,799	-1.9
Machinery.....	16,065	15,990	15,999	0.5	-0.1	0.9	16,710	16,217	15,673	16,266	2.7
Computers and electronic products <sup>1</sup> .....	9,360	9,351	9,531	0.1	-1.9	-0.8	9,464	9,226	9,002	10,188	-7.1
Electrical equipment, appliances, and components.....	5,146	5,150	5,174	-0.1	-0.5	-2.4	5,351	5,121	4,889	5,738	-6.7
Transportation equipment.....	14,421	14,679	14,681	-1.8	0.0	0.6	14,027	14,011	13,619	12,723	10.2
Furniture and related products.....	2,696	2,682	2,674	0.5	0.3	0.3	2,639	2,655	2,557	2,439	8.2
Miscellaneous products.....	8,830	8,887	8,947	-0.6	-0.7	0.5	8,944	8,822	8,681	8,506	5.1
Nondurable goods industries.....	82,143	81,232	81,767	1.1	-0.7	1.4	82,764	80,690	79,932	79,563	4.0
Food products.....	19,474	19,312	19,227	0.8	0.4	-1.3	19,505	19,187	19,041	18,676	4.4
Beverage and tobacco products.....	4,529	4,464	4,330	1.5	3.1	3.8	4,545	4,349	4,162	4,534	0.2
Textiles.....	2,430	2,393	2,358	1.5	1.5	2.1	2,466	2,371	2,236	2,589	-4.8
Textile products.....	2,302	2,281	2,272	0.9	0.4	2.4	2,322	2,288	2,158	2,082	11.5
Apparel.....	4,629	4,545	4,435	1.8	2.5	1.5	4,574	4,521	4,297	4,495	1.8
Leather and allied products.....	1,142	1,140	1,099	0.2	3.7	2.6	1,127	1,130	1,045	934	20.7
Paper products.....	6,209	6,307	6,270	-1.6	0.6	-0.5	6,302	6,353	6,128	6,394	-1.4
Printing.....	1,749	1,784	1,826	-2.0	-2.3	15.4	1,706	1,656	1,791	1,599	6.7
Petroleum and coal products.....	6,329	6,194	6,482	2.2	-4.4	6.5	6,109	5,934	6,052	5,446	12.2
Basic chemicals.....	24,788	24,324	25,071	1.9	-3.0	1.7	25,266	24,321	24,769	24,897	1.5
Plastics and rubber products.....	8,562	8,488	8,397	0.9	1.1	0.1	8,842	8,580	8,253	7,917	11.7

<sup>p</sup> Preliminary<sup>r</sup> Revised<sup>1</sup> See footnote at end of Table 3.

See note at end of Table 2 relating to survey error and revisions.



**Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group**

[Based on Seasonally Adjusted data]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio <sup>1</sup>			
	Feb 2003 <sup>p</sup>	Jan 2003 <sup>r</sup>	Dec 2002	Nov 2002	Feb 2003 <sup>p</sup>	Jan 2003 <sup>r</sup>	Dec 2002	Nov 2002
All manufacturing industries <sup>2</sup> .....	1.34	1.32	1.34	1.33	(X)	(X)	(X)	(X)
Durable goods industries <sup>2</sup> .....	1.55	1.52	1.56	1.51	3.99	3.94	4.05	3.94
Wood products.....	1.31	1.27	1.24	1.24	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.11	1.04	1.05	1.06	(X)	(X)	(X)	(X)
Primary metals.....	1.74	1.67	1.68	1.67	1.34	1.30	1.34	1.36
Fabricated metal products.....	1.49	1.48	1.47	1.47	1.89	1.89	1.89	1.92
Machinery.....	2.00	1.98	2.01	1.96	2.23	2.19	2.22	2.19
Computers and electronic products <sup>2</sup> .....	1.62	1.56	1.65	1.63	4.98	4.74	4.92	4.89
Electrical equipment, appliances, and components.....	1.44	1.39	1.38	1.37	1.75	1.68	1.70	1.68
Transportation equipment.....	1.41	1.41	1.51	1.37	7.49	7.79	8.31	7.52
Furniture and related products.....	1.31	1.26	1.23	1.28	1.08	1.05	1.04	1.10
Miscellaneous products.....	1.75	1.76	1.71	1.71	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.11	1.09	1.10	1.11	(X)	(X)	(X)	(X)
Food products.....	0.87	0.85	0.84	0.85	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.67	1.63	1.65	1.62	(X)	(X)	(X)	(X)
Textiles.....	1.46	1.40	1.47	1.35	(X)	(X)	(X)	(X)
Textile products.....	1.53	1.50	1.44	1.41	(X)	(X)	(X)	(X)
Apparel.....	1.69	1.58	1.56	1.52	(X)	(X)	(X)	(X)
Leather and allied products.....	2.25	2.24	2.52	2.17	(X)	(X)	(X)	(X)
Paper products.....	1.13	1.11	1.11	1.14	(X)	(X)	(X)	(X)
Printing.....	0.76	0.75	0.74	0.74	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.65	0.66	0.67	0.69	(X)	(X)	(X)	(X)
Basic chemicals.....	1.38	1.33	1.37	1.39	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.20	1.17	1.15	1.16	(X)	(X)	(X)	(X)

<sup>p</sup> Preliminary      <sup>r</sup> Revised      X Not Applicable

<sup>1</sup> Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

<sup>2</sup> See footnote at end of Table 2.

**Table 8. Revisions to Previously Published Monthly Percent Changes**

[Based on Seasonally Adjusted data]

Industry	Shipments			New Orders			Unfilled Orders			Inventories		
	Feb <sup>1</sup> 2003	Feb <sup>2</sup> 1998-2002	Feb 2002-Jan 2003	Feb <sup>1</sup> 2003	Feb <sup>2</sup> 1998-2002	Feb 2002-Jan 2003	Feb <sup>1</sup> 2003	Feb <sup>2</sup> 1998-2002	Feb 2002-Jan 2003	Feb <sup>1</sup> 2003	Feb <sup>2</sup> 1998-2002	Feb 2002-Jan 2003
All manufacturing industries <sup>3</sup> .....	(X)	(NA)	0.1	(X)	(NA)	0.2	(X)	(NA)	0.2	(X)	(NA)	0.1
Durable goods industries <sup>3</sup> .....	-0.1	(NA)	0.2	-0.4	(NA)	0.5	0.1	(NA)	0.2	0.0	(NA)	0.1
Wood products.....	(X)	(NA)	0.8	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.5
Nonmetallic mineral products.....	(X)	(NA)	1.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.4
Primary metals.....	-0.2	(NA)	0.4	-0.2	(NA)	0.8	0.0	(NA)	0.4	-0.2	(NA)	0.1
Fabricated metal products.....	0.0	(NA)	0.2	0.1	(NA)	0.8	0.0	(NA)	0.4	0.0	(NA)	0.2
Machinery.....	-0.4	(NA)	0.3	0.0	(NA)	1.1	0.1	(NA)	0.4	0.0	(NA)	0.2
Computers and electronic products <sup>3</sup> .....	0.4	(NA)	0.6	-2.1	(NA)	1.1	0.0	(NA)	0.2	0.0	(NA)	0.2
Electrical equipment, appliances, and components.....	-0.3	(NA)	0.3	0.0	(NA)	0.9	0.3	(NA)	0.6	0.4	(NA)	0.1
Transportation equipment.....	-0.2	(NA)	0.7	0.1	(NA)	1.5	0.1	(NA)	0.3	-0.1	(NA)	0.3
Furniture and related products.....	(X)	(NA)	0.3	(X)	(NA)	0.9	(X)	(NA)	0.8	(X)	(NA)	0.1
Miscellaneous products.....	(X)	(NA)	0.6	(X)	(NA)	1.3	(X)	(NA)	2.1	(X)	(NA)	0.3
Nondurable goods industries.....	(X)	(NA)	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.2
Food products.....	(X)	(NA)	0.6	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.3
Beverage and tobacco products.....	(X)	(NA)	1.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.2
Textiles.....	(X)	(NA)	1.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.4
Textile products.....	(X)	(NA)	1.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.3
Apparel.....	(X)	(NA)	1.0	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.5
Leather and allied products.....	(X)	(NA)	4.8	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	1.0
Paper products.....	(X)	(NA)	1.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.3
Printing.....	(X)	(NA)	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.4
Petroleum and coal products.....	(X)	(NA)	1.0	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.7
Basic chemicals.....	(X)	(NA)	1.0	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.2
Plastics and rubber products.....	(X)	(NA)	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	0.3

X Not Applicable

NA Not Available

<sup>1</sup> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

<sup>2</sup> Average revisions of the current month for the past five years.

<sup>3</sup> See footnote at end of Table 7

See note at end of Table 2 relating to survey error and revision. In Table 8, the second column for each item represents the average revisions of the current month for the past five years.

NOTE: The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

## Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 3,500 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 59 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 3,500 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 3,500 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source.

Additional survey documentation can be found on our web site: <http://www.census.gov/m3>.